

Amendments to the Claims

This listing of claims will replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1-19 (Cancelled)

20. (new) A multi-domain computer comprising:

 a first computer domain including a first processor, a first data storage device, and a first dedicated bus;

 a second computer domain including a second processor, a second data storage device, and a second dedicated bus; and

 a computer enclosure for enclosing the first computer domain and the second computer domain.

21. (new) The multi-domain computer of claim 20, further comprising an electromagnetic field shield located inside the computer enclosure between the first computer domain and the second computer domain.

22. (new) The multi-domain computer of claim 21, wherein the electromagnetic field shield prevents data migration between the first computer domain and the second computer domain.

23. (new) The multi-domain computer of claim 21, wherein the electromagnetic field shield comprises an aluminum alloy and a non-conductive fiber lining.

24. (new) The multi-domain computer of claim 20, wherein the first computer domain is associated with a first motherboard and the second computer domain is associated with a second motherboard.

25. (new) The multi-domain computer of claim 20, further comprising:

 a selector switch having a first position for accessing the first computer domain and a second position for accessing the second computer domain.

26. (new) The multi-domain computer of claim 25, further comprising:
a user interface device; and
wherein the first position of the selector switch allows communication between the user interface device and the first computer domain and prevents communication between the user interface device and the second computer domain; and
wherein the second position of the selector switch allows communication between the user interface device and the second computer domain and prevents communication between the user interface device and the first computer domain.

27. (new) The multi-domain computer of claim 26, wherein the user interface device is a keyboard.

28. (new) The multi-domain computer of claim 25, further comprising:
a mouse; and
wherein the first position of the selector switch allows communication between the mouse and the first computer domain and prevents communication between the mouse and the second computer domain; and
wherein the second position of the selector switch allows communication between the mouse and the second computer domain and prevents communication between the mouse and the first computer domain.

29. (new) The multi-domain computer of claim 25, wherein the selector switch allows a user to alternate user interface functions between the first computer domain and the second computer domain without rebooting either the first computer domain or the second computer domain.

30. (new) The multi-domain computer of claim 20, wherein the first computer domain and the second computer domain are isolated and no information is shared between the first computer domain and the second computer domain.

31. (new) The multi-domain computer of claim 20, further comprising:

a smart card access controller for authenticating users prior to allowing access to the first computer domain.

32. (new) The multi-domain computer of claim 20, wherein the first computer domain is a secure domain and the second computer domain is an unsecure computer domain.

33. (new) The multi-domain computer of claim 32, further comprising:
a smart card access controller;
wherein the smart card access controller authenticates users prior to allowing access to the first computer domain; and
wherein the smart card access controller does not control access to the second computer domain.

34. (new) The multi-domain computer of claim 20, wherein the computer enclosure comprises:

a plurality of access panels for providing access to the interior of the computer enclosure;
and
a plurality of locks for preventing unauthorized access through each of the plurality of access panels.

35. (new) The multi-domain computer of claim 20, wherein the computer enclosure comprises:

a front panel having a first lock for preventing unauthorized access to the computer enclosure through the front panel; and

a back panel having a second lock for preventing unauthorized access to the computer enclosure through the back panel.

36. (new) The multi-domain computer of claim 20, further comprising:

a selector switch having a first position for activating a user interface device for interfacing with the first computer domain and a second position for activating the user interface device for interfacing with the second computer domain;

wherein the first computer domain and the second computer domain are operational at the same time;

wherein the selector switch prevents user interaction with the second computer domain when the selector switch is in the first position; and

wherein the selector switch prevents user interaction with the first computer domain when the selector switch is in the second position.

37. (new) The multi-domain computer of claim 20, wherein both the first computer domain and the second computer domain are powered on using a key-lock power switch.

38. (new) The multi-domain computer of claim 20, further comprising:

a third computer domain including a third processor and a third data storage device enclosed within the computer enclosure; and

wherein the third computer domain is activated when the selector switch is in a third position.

39. (new) The multi-domain computer of claim 20, further comprising:

a first reset button for resetting the first computer domain without resetting the second computer domain; and

a second reset button for resetting the second computer domain without resetting the first computer domain.